

Sequence Listing

<110> Ashkenazi, Avi J.
Baker, Kevin
Gurney, Austin
Wood, William

<120> Apo-2DcR

<130> P1110

<140> US 08/878,168

<141> 1997-06-18

<160> 17

<210> 1

<211> 259

<212> PRT

<213> Homo sapiens

<400> 1

Met	Ala	Arg	Ile	Pro	Lys	Thr	Leu	Lys	Phe	Val	Val	Val	Ile	Val
1				5					10					15

Ala	Val	Leu	Leu	Pro	Val	Leu	Ala	Tyr	Ser	Ala	Thr	Thr	Ala	Arg
				20					25					30

Gln	Glu	Glu	Val	Pro	Gln	Gln	Thr	Val	Ala	Pro	Gln	Gln	Gln	Arg
				35					40					45

His	Ser	Phe	Lys	Gly	Glu	Glu	Cys	Pro	Ala	Gly	Ser	His	Arg	Ser
				50					55					60

Glu	His	Thr	Gly	Ala	Cys	Asn	Pro	Cys	Thr	Glu	Gly	Val	Asp	Tyr
				65					70					75

Thr	Asn	Ala	Ser	Asn	Asn	Glu	Pro	Ser	Cys	Phe	Pro	Cys	Thr	Val
				80					85					90

Cys	Lys	Ser	Asp	Gln	Lys	His	Lys	Ser	Ser	Cys	Thr	Met	Thr	Arg
				95					100					105

Asp	Thr	Val	Cys	Gln	Cys	Lys	Glu	Gly	Thr	Phe	Arg	Asn	Glu	Asn
				110					115					120

Ser	Pro	Glu	Met	Cys	Arg	Lys	Cys	Ser	Arg	Cys	Pro	Ser	Gly	Glu
				125					130					135

Val	Gln	Val	Ser	Asn	Cys	Thr	Ser	Trp	Asp	Asp	Ile	Gln	Cys	Val
				140					145					150

Glu	Glu	Phe	Gly	Ala	Asn	Ala	Thr	Val	Glu	Thr	Pro	Ala	Ala	Glu
				155					160					165
Glu	Thr	Met	Asn	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu
				170					175					180
Glu	Thr	Met	Asn	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu
				185					190					195
Glu	Thr	Met	Thr	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu
				200					205					210
Glu	Thr	Met	Thr	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu
				215					220					225
Glu	Thr	Met	Thr	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Ser	Ser	His	Tyr
				230					235					240
Leu	Ser	Cys	Thr	Ile	Val	Gly	Ile	Ile	Val	Leu	Ile	Val	Leu	Leu
				245					250					255
Ile	Val	Phe	Val											
				259										

<210> 2
 <211> 1180
 <212> DNA
 <213> Homo sapiens

<220>
 <221> CDS
 <222> (193) . . . (969)
 <223>

<400> 2
 gctgtgggaa cctctccacg cgcaagaaact cagccaacga tttctgatag 50
 atttttggga gtttgaccag agatgcaagg ggtgaaggag cgcttctac 100
 cgtttagggaa ctctggggac agagcgcccc ggccgcctga tggccgaggc 150
 aggggtgcgac ccaggaccca ggacggcgtc gggaaccata cc atg 195
 Met
 1

gcc cgg atc ccc aag acc cta aag ttc gtc gtc gtc atc 234
 Ala Arg Ile Pro Lys Thr Leu Lys Phe Val Val Val Ile
 5 10

gtc gcg gtc ctg ctg cca gtc cta gct tac tct gcc acc 273

[illegible]

aac acc agc cca ggg act cct gcc cca gct gct gaa gag 780
 Asn Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu
 185 190 195

aca atg acc acc agc ccg ggg act cct gcc cca gct gct 819
 Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala
 200 205

gaa gag aca atg acc acc agc ccg ggg act cct gcc cca 858
 Glu Glu Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Pro
 210 215 220

gct gct gaa gag aca atg acc acc agc ccg ggg act cct 897
 Ala Ala Glu Glu Thr Met Thr Thr Ser Pro Gly Thr Pro
 225 230 235

gcc tct tct cat tac ctc tca tgc acc atc gta ggg atc 936
 Ala Ser Ser His Tyr Leu Ser Cys Thr Ile Val Gly Ile
 240 245

ata gtt cta att gtg ctt ctg att gtg ttt gtt t 970
 Ile Val Leu Ile Val Leu Leu Ile Val Phe Val
 250 255 259

gaaagacttc actgtggaag aaattccttc cttacctgaa aggttcaggt 1020

aggcgctggc tgaggggcggg gggcgctgga cactctctgc cctgcctccc 1070

tctgctgtgt tcccacagac agaaacgcct gccctgccc caaaaaaaaaa 1120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1170

aaaaaaaaaa 1180

<210> 3

<211> 299

<212> PRT

<213> Homo sapiens

<400> 3

Met Gln Gly Val Lys Glu Arg Phe Leu Pro Leu Gly Asn Ser Gly
 1 5 10 15

Asp Arg Ala Pro Arg Pro Pro Asp Gly Arg Gly Arg Val Arg Pro
 20 25 30

Arg Thr Gln Asp Gly Val Gly Asn His Thr Met Ala Arg Ile Pro
 35 40 45

Lys Thr Leu Lys Phe Val Val Val Ile Val Ala Val Leu Leu Pro
 50 55 60

Val	Leu	Ala	Tyr	Ser	Ala	Thr	Thr	Ala	Arg	Gln	Glu	Glu	Val	Pro	65	70	75
Gln	Gln	Thr	Val	Ala	Pro	Gln	Gln	Gln	Arg	His	Ser	Phe	Lys	Gly	80	85	90
Glu	Glu	Cys	Pro	Ala	Gly	Ser	His	Arg	Ser	Glu	His	Thr	Gly	Ala	95	100	105
Cys	Asn	Pro	Cys	Thr	Glu	Gly	Val	Asp	Tyr	Thr	Asn	Ala	Ser	Asn	110	115	120
Asn	Glu	Pro	Ser	Cys	Phe	Pro	Cys	Thr	Val	Cys	Lys	Ser	Asp	Gln	125	130	135
Lys	His	Lys	Ser	Ser	Cys	Thr	Met	Thr	Arg	Asp	Thr	Val	Cys	Gln	140	145	150
Cys	Lys	Glu	Gly	Thr	Phe	Arg	Asn	Glu	Asn	Ser	Pro	Glu	Met	Cys	155	160	165
Arg	Lys	Cys	Ser	Arg	Cys	Pro	Ser	Gly	Glu	Val	Gln	Val	Ser	Asn	170	175	180
Cys	Thr	Ser	Trp	Asp	Asp	Ile	Gln	Cys	Val	Glu	Glu	Phe	Gly	Ala	185	190	195
Asn	Ala	Thr	Val	Glu	Thr	Pro	Ala	Ala	Glu	Glu	Thr	Met	Asn	Thr	200	205	210
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	Asn	Thr	215	220	225
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	Thr	Thr	230	235	240
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	Thr	Thr	245	250	255
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	Thr	Thr	260	265	270
Ser	Pro	Gly	Thr	Pro	Ala	Ser	Ser	His	Tyr	Leu	Ser	Cys	Thr	Ile	275	280	285
Val	Gly	Ile	Ile	Val	Leu	Ile	Val	Leu	Leu	Ile	Val	Phe	Val		290	295	299

<210> 4

<211> 1180

<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (73) . . . (969)
<223>

<220>
<221> sig_peptide
<222> (73) . . . (194)
<223>

<400> 4
gctgtgggaa cctctccacg cgcacgaact cagccaacga tttctgatag 50

atgttttggga gtttgaccag ag atg caa ggg gtg aag gag 90
Met Gln Gly Val Lys Glu
-40 -35

cgc ttc cta ccg tta ggg aac tct ggg gac aga gcg ccc 129
Arg Phe Leu Pro Leu Gly Asn Ser Gly Asp Arg Ala Pro
-30 -25

cgg ccg cct gat ggc cga ggc agg gtg cga ccc agg acc 168
Arg Pro Pro Asp Gly Arg Gly Arg Val Arg Pro Arg Thr
-20 -15 -10

cag gac ggc gtc ggg aac cat acc atg gcc cgg atc ccc 207
Gln Asp Gly Val Gly Asn His Thr Met Ala Arg Ile Pro
-5 1 5

aag acc cta aag ttc gtc gtc gtc atc gtc gcg gtc ctg 246
Lys Thr Leu Lys Phe Val Val Val Ile Val Ala Val Leu
10 15

ctg cca gtc cta gct tac tct gcc acc act gcc cgg cag 285
Leu Pro Val Leu Ala Tyr Ser Ala Thr Thr Ala Arg Gln
20 25 30

gag gaa gtt ccc cag cag aca gtg gcc cca cag caa cag 324
Glu Glu Val Pro Gln Gln Thr Val Ala Pro Gln Gln Gln
35 40

agg cac agc ttc aag ggg gag gag tgt cca gca gga tct 363
Arg His Ser Phe Lys Gly Glu Glu Cys Pro Ala Gly Ser
45 50 55

cat aga tca gaa cat act gga gcc tgt aac ccg tgc aca 402
His Arg Ser Glu His Thr Gly Ala Cys Asn Pro Cys Thr
60 65 70

gag ggt gtg gat tac acc aac gct tcc aac aat gaa cct 441
 Glu Gly Val Asp Tyr Thr Asn Ala Ser Asn Asn Glu Pro
 75 80

tct tgc ttc cca tgt aca gtt tgt aaa tca gat caa aaa 480
 Ser Cys Phe Pro Cys Thr Val Cys Lys Ser Asp Gln Lys
 85 90 95

cat aaa agt tcc tgc acc atg acc aga gac aca gtg tgt 519
 His Lys Ser Ser Cys Thr Met Thr Arg Asp Thr Val Cys
 100 105

cag tgt aaa gaa ggc acc ttc cgg aat gaa aac tcc cca 558
 Gln Cys Lys Glu Gly Thr Phe Arg Asn Glu Asn Ser Pro
 110 115 120

gag atg tgc cgg aag tgt agc agg tgc cct agt ggg gaa 597
 Glu Met Cys Arg Lys Cys Ser Arg Cys Pro Ser Gly Glu
 125 130 135

gtc caa gtc agt aat tgt acg tcc tgg gat gat atc cag 636
 Val Gln Val Ser Asn Cys Thr Ser Trp Asp Asp Ile Gln
 140 145

tgt gtt gaa gaa ttt ggt gcc aat gcc act gtg gaa acc 675
 Cys Val Glu Glu Phe Gly Ala Asn Ala Thr Val Glu Thr
 150 155 160

cca gct gct gaa gag aca atg aac acc agc ccg ggg act 714
 Pro Ala Ala Glu Glu Thr Met Asn Thr Ser Pro Gly Thr
 165 170

cct gcc cca gct gct gaa gag aca atg aac acc agc cca 753
 Pro Ala Pro Ala Ala Glu Glu Thr Met Asn Thr Ser Pro
 175 180 185

ggg act cct gcc cca gct gct gaa gag aca atg acc acc 792
 Gly Thr Pro Ala Pro Ala Ala Glu Glu Thr Met Thr Thr
 190 195 200

agc ccg ggg act cct gcc cca gct gct gaa gag aca atg 831
 Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu Thr Met
 205 210

acc acc agc ccg ggg act cct gcc cca gct gct gaa gag 870
 Thr Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu
 215 220 225

aca atg acc acc agc ccg ggg act cct gcc tct tct cat 909
 Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Ser Ser His

235

gtg ctt ctg att gtg ttt gtt t gaaagacttc actgtggaag 990
Val Leu Leu Ile Val Phe Val
255 259

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1180

<213> Yeast

tgtaaaacga cggccagtta aatagacctg caattattaa tct 43

<213> Yeast

caggaaacag ctatgaccac ctgcacacct gcaaattccat t 41

<213> Homo sapiens

Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His
1 5 10 15

Leu Arg His Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly
20 25 30

Gln Val Glu Ile Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys
35 40 45

Gly Cys Arg Lys
49

<210> 8
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 8
 Cys Asn Pro Cys Thr Glu Gly Val Asp Tyr Thr Asn Ala Ser Asn
 1 5 10 15
 Asn Glu Pro Ser Cys Phe Pro Cys Thr Val Cys Lys Ser Asp Gln
 20 25 30
 Lys His Lys Ser Ser Cys Thr Met Thr Arg Asp Thr Val Cys Gln
 35 40 45
 Cys Lys Glu
 48

<210> 9
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 9
 gggagccgct catgaggaag ttgggcctca tggacaatga gataaagggtg 50
 gctaaagctg aggcagcggg 70

<210> 10
 <211> 1799
 <212> DNA
 <213> Homo sapiens

<220>
 <221> CDS
 <222> (140 . . . (1372)
 <223>

<220>
 <221> Unsure
 <222> 1367
 <223> W may be adenine or thymine or uracil

<400> 10
 cccacgcgtc cgcataaatc agcacgcggc cggagaaccc cgcaatctct 50
 gcgcccacaa aatacaccga cgatgcccga tctactttaa gggctgaaac 100
 ccacgggcct gagagactat aagagcgttc cctaccgcca tggaacaacg 150

gggacagaac gccccggccg cttcgggggc ccgaaaaagg cacggcccag 200
 gaccagggga ggcgcgggga gccaggcctg ggctccgggt cccaagacc 250
 cttgtgctcg ttgtcgccgc ggtcctgctg ttgggtctcag ctgagtctgc 300
 tctgatcacc caacaagacc tagctcccca gcagagagcg gcccacaaac 350
 aaaagaggtc cagccctca gagggtattgt gtccacctgg acaccatatac 400
 tcagaagacg gtagagattg catctcctgc aaatatggac aggactatag 450
 cactcactgg aatgacctcc ttttctgctt gcgctgcacc aggtgtgatt 500
 caggtgaagt ggagctaagt ccttgcacca cgaccagaaa cacagtgtgt 550
 cagtgcgaag aaggcacctt ccgggaagaa gattctcctg agatgtgccg 600
 gaagtgccgc acaggggtgtc ccagagggat ggtcaaggtc ggtgattgta 650
 caccctggag tgacatcgaa tgtgtccaca aagaatcagg catcatcata 700
 ggagtcacag ttgcagccgt agtcttgatt gtggctgtgt ttgtttgcaa 750
 gtctttactg tggaagaaag tccttcctta cctgaaaggc atctgctcag 800
 gtggtggtgg ggacctgag cgtgtggaca gaagctcaca acgacctggg 850
 gctgaggaca atgtcctcaa tgagatcgtg agtatcttgc agcccacca 900
 ggtccctgag caggaaatgg aagtcagga gccagcagag ccaacagggtg 950
 tcaacatgtt gtcccccggt gagtcagagc atctgctgga accggcagaa 1000
 gctgaaaggt ctgagaggag gaggtgctg gttccagcaa atgaagggtga 1050
 tcccactgag actctgagac agtgcttoga tgactttgca gacttggtgc 1100
 cctttgactc ctgggagccg ctcatgagga agttgggcct catggacaat 1150
 gagataaagg tggctaaagc tgaggcagcg ggccacaggg acaccttgta 1200
 cacgatgctg ataaagtggg tcaacaaaac cgggcgagat gcctctgtcc 1250
 acacctgct ggatgccttg gagacgctgg gagagagact tgccaagcag 1300
 aagattgagg accacttggt gagctctgga aagttcatgt atctagaagg 1350
 taatgcagac tctgccwtgt cctaagtgtg attctcttca ggaagtgaga 1400
 ccttcctggt tttacctttt ttctggaaaa agcccaactg gactccagtc 1450

agtaggaaag tgccacaatt gtcacatgac cggtagtgga agaaactctc 1500
ccatccaaca tcaccagtg gatggaacat cctgtaactt ttactgcac 1550
ttggcattat ttttataagc tgaatgtgat aataaggaca ctatggaaat 1600
gtctggatca ttccgtttgt gcgtactttg agatttggtt tgggatgtca 1650
ttgttttcac agcacttttt taccctaagt taaatgcttt atttatttat 1700
ttgggctaca ttgtaagatc catctacaaa aaaaaaaaaa aaaaaaaaag 1750
ggcgccgcgc actctagagt cgacctgcag aagcttggcc gccatggcc 1799

<210> 11
<211> 411
<212> PRT
<213> Homo sapiens

<220>
<221> Unsure
<222> 410
<223> Xaa may be leucine or methionine

<400> 11
Met Glu Gln Arg Gly Gln Asn Ala Pro Ala Ala Ser Gly Ala Arg
1 5 10 15
Lys Arg His Gly Pro Gly Pro Arg Glu Ala Arg Gly Ala Arg Pro
20 25 30
Gly Leu Arg Val Pro Lys Thr Leu Val Leu Val Val Ala Ala Val
35 40 45
Leu Leu Leu Val Ser Ala Glu Ser Ala Leu Ile Thr Gln Gln Asp
50 55 60
Leu Ala Pro Gln Gln Arg Ala Ala Pro Gln Gln Lys Arg Ser Ser
65 70 75
Pro Ser Glu Gly Leu Cys Pro Pro Gly His His Ile Ser Glu Asp
80 85 90
Gly Arg Asp Cys Ile Ser Cys Lys Tyr Gly Gln Asp Tyr Ser Thr
95 100 105
His Trp Asn Asp Leu Leu Phe Cys Leu Arg Cys Thr Arg Cys Asp
110 115 120
Ser Gly Glu Val Glu Leu Ser Pro Cys Thr Thr Thr Arg Asn Thr

125	130	135
Val Cys Gln Cys Glu Glu Gly Thr Phe Arg Glu Glu Asp Ser Pro		
140	145	150
Glu Met Cys Arg Lys Cys Arg Thr Gly Cys Pro Arg Gly Met Val		
155	160	165
Lys Val Gly Asp Cys Thr Pro Trp Ser Asp Ile Glu Cys Val His		
170	175	180
Lys Glu Ser Gly Ile Ile Ile Gly Val Thr Val Ala Ala Val Val		
185	190	195
Leu Ile Val Ala Val Phe Val Cys Lys Ser Leu Leu Trp Lys Lys		
200	205	210
Val Leu Pro Tyr Leu Lys Gly Ile Cys Ser Gly Gly Gly Gly Asp		
215	220	225
Pro Glu Arg Val Asp Arg Ser Ser Gln Arg Pro Gly Ala Glu Asp		
230	235	240
Asn Val Leu Asn Glu Ile Val Ser Ile Leu Gln Pro Thr Gln Val		
245	250	255
Pro Glu Gln Glu Met Glu Val Gln Glu Pro Ala Glu Pro Thr Gly		
260	265	270
Val Asn Met Leu Ser Pro Gly Glu Ser Glu His Leu Leu Glu Pro		
275	280	285
Ala Glu Ala Glu Arg Ser Gln Arg Arg Arg Leu Leu Val Pro Ala		
290	295	300
Asn Glu Gly Asp Pro Thr Glu Thr Leu Arg Gln Cys Phe Asp Asp		
305	310	315
Phe Ala Asp Leu Val Pro Phe Asp Ser Trp Glu Pro Leu Met Arg		
320	325	330
Lys Leu Gly Leu Met Asp Asn Glu Ile Lys Val Ala Lys Ala Glu		
335	340	345
Ala Ala Gly His Arg Asp Thr Leu Tyr Thr Met Leu Ile Lys Trp		
350	355	360
Val Asn Lys Thr Gly Arg Asp Ala Ser Val His Thr Leu Leu Asp		
365	370	375
Ala Leu Glu Thr Leu Gly Glu Arg Leu Ala Lys Gln Lys Ile Glu		

Met Leu Met Lys Trp Val Asn Lys Thr Gly Arg Asn Ala Ser Ile
365 370 375

His Thr Leu Leu Asp Ala Leu Glu Arg Met Glu Glu Arg His Ala
380 385 390

Lys Glu Lys Ile Gln Asp Leu Leu Val Asp Ser Gly Lys Phe Ile
395 400 405

Tyr Leu Glu Asp Gly Thr Gly Ser Ala Val Ser Leu Glu
410 415 418

<210> 15

<211> 74

<212> PRT

<213> Homo sapiens

<400> 15

Val Met Asp Ala Val Pro Ala Arg Arg Trp Lys Glu Phe Val Arg
1 5 10 15

Thr Leu Gly Leu Arg Glu Ala Glu Ile Glu Ala Val Glu Val Glu
20 25 30

Ile Gly Arg Phe Arg Asp Gln Gln Tyr Glu Met Leu Lys Arg Trp
35 40 45

Arg Gln Gln Gln Pro Ala Gly Leu Gly Ala Val Tyr Ala Ala Leu
50 55 60

Glu Arg Met Gly Leu Asp Gly Cys Val Glu Asp Leu Arg Ser
65 70 74

<210> 16

<211> 78

<212> PRT

<213> Homo sapiens

<400> 16

Val Val Glu Asn Val Pro Pro Leu Arg Trp Lys Glu Phe Val Arg
1 5 10 15

Arg Leu Gly Leu Ser Asp His Glu Ile Asp Arg Leu Glu Leu Gln
20 25 30

Asn Gly Arg Cys Leu Arg Glu Ala Gln Tyr Ser Met Leu Ala Thr
35 40 45

Trp Arg Arg Arg Thr Pro Arg Arg Glu Ala Thr Leu Glu Leu Leu
50 55 60

Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly Cys Leu Glu Asp
65 70 75

Ile Glu Glu
78

<210> 17

<211> 77

<212> PRT

<213> Homo sapiens

<400> 17

Ile Ala Gly Val His Thr Leu Ser Gln Val Lys Gly Phe Val Arg
1 5 10 15

Lys Asn Gly Val Asn Glu Ala Lys Ile Asp Glu Ile Lys Asn Asp
20 25 30

Asn Val Gln Asp Thr Ala Glu Gln Lys Val Gln Leu Leu Arg Asn
35 40 45

Trp His Gln Leu His Gly Lys Lys Glu Ala Tyr Asp Thr Leu Ile
50 55 60

Lys Asp Leu Lys Lys Ala Asn Leu Cys Thr Leu Ala Glu Lys Ile
65 70 75

Gln Thr
77